Use Attainability Analysis

for

WBID 1278 Elk Fork

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

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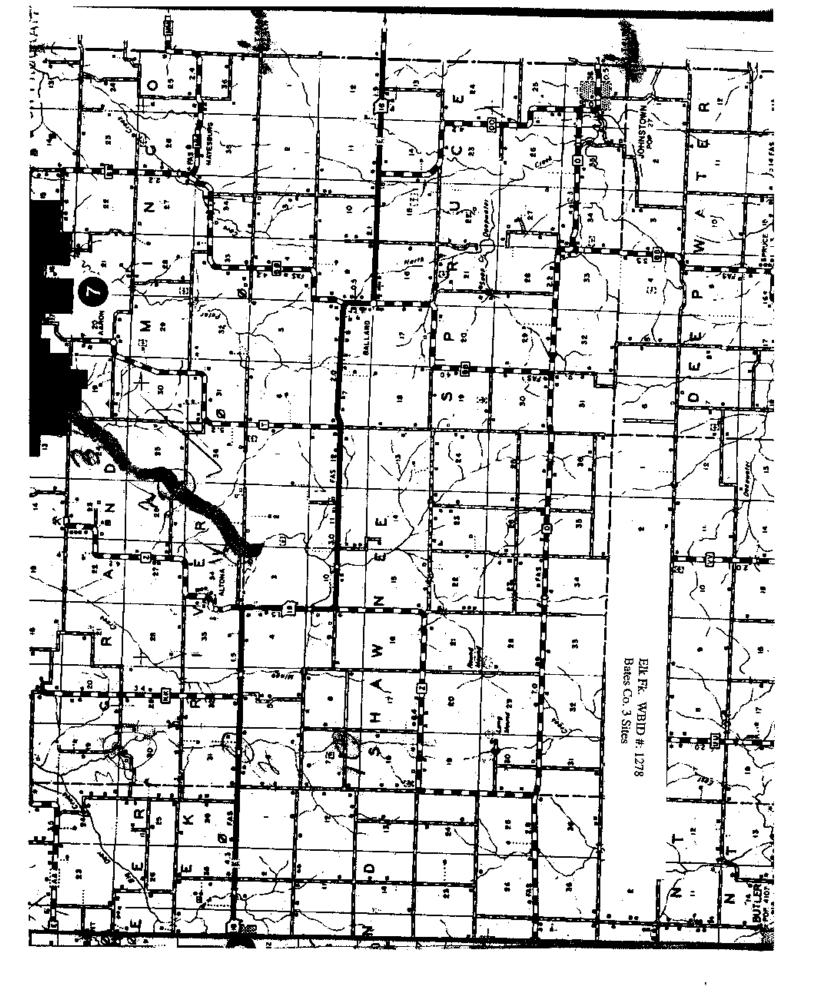
Data Sheet A - Water Body Identification

WITER PRUTECTION PROGRAM.

Water Body Name (from USGS 7.5' quad): Elk Fk,
8-digit HUC: 10890108
Missouri WBID#: しょても
County: Bates
Upstream Legal Description: 534 THAN R 30W 704 N and 160 Ft Worf the SE
Downstream Legal Description: 3 24 T NON R 30W 235ft S. of the NEcorner
Upstream Coordinates: N 38.39 94 W 94.2 656
Downstream Coordinates: N 38.43388 W 94.1778)
Discharger Facility Name(s):
Discharger Permit Number(s):
Number of Sites Evaluated: (3)
Name of Surveyor and Telephone Number: CRAIG chatfield & Aaron woods 682-7095
Organization: NO DNR SWCP
Position: Soil Scientists

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:_	Cit	cht-d	· Agron Woods	Date: 6 /20 /	105
	, ,	. /	1		



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#;	218-01		Site Location	Description:	· •			
Site GPS Coordinates:		94.21656	Elk FK.					
Date & Time: 6/80			Facility Name	Facility Name:				
Personnel: CZAIA Chal		·	Permit Numbe	r:				
Current Weather Conditi			Weather Cond	itions for Past 7 days:	2004			
Photo lds: Upstream: W		vnstream: \BC	1278-01 Out	ier: WBE'S				
		•			<u> </u>			
Uses Observed*:	T	,						
Swimming	Skin diving	□ SCI	JBA diving	☐ Tubing	☐ Water skiing			
Wind surfing	☐ Kayaking	☐ Boa	ting	☐ Wading	Rafting			
☐ Hunting	Trapping	☐ Fist	ing	None of the above	Other:			
Describe: (include numb	er of individuals rec	reating, freque	ncy of use, phot	o-documentation of evidence	of recreational uses, etc.)			
!								
ĺ								
Surrounding Condition	18*: (Mark all that p	promote or imp	ede recreational	uses. Attach photos of evide	nce or unusual			
tems of interest.)								
City/county parks	☐ Playgrounds	☐ MDC cor	servation lands	Urban areas	Campgrounds			
☐ Boating accesses	State parks	☐ National	forests	☐ Nature trails	Stairs/walkway			
No trespass sign	☐ Fence	Steep slop	oes	Other:				
					7100022			
Evidence of Human Us	e*:							
Roads	Foot paths/prin	nts 🔲 De	ock/platform	Livestock Watering	RV / ATV Tracks			
Rope swings	Camping Sites	☐ Fi	re pit/ring	☐ NPDES Discharge	Fishing Tackle			
Other: NA-								
Sita I acations Man(s).	Attach a man of	entire seam	ent with accec	sment sites clearly labels	ed Mork ony			

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Data Sheet B - Site Characterization

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tream Morpho	ology: ew Physical Die	monaione.					
l	dth (ft):	Length (ft);		Avg. Depth	(ft):	Max. Depth	(ft):
☐ Run Wi	dth (ft);	Length (ft):		Avg. Depth	· /	Max, Depth	
Pool Wi	dth (ft): 20	Length (fl);	<u> კ</u> ე	Avg. Depth	<u> </u>	Max. Depth	``
	sent? Yes	No.		Estimated (f	···		(ft): / 8
Downstream	View Physical	Dimensions:		<u> </u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<u> </u>
i	dth (ft);	Length (ft):		Avg. Depth	(ft):	Max. Depth	
Run Wi	dth (ft):	Length (ft):		Avg. Depth	(ft):	Max. Depth	<u> </u>
[X Pool Wi	dth (ft): 20	Length (ft):	Дь 	Avg. Depth	(ft): 3	Max, Depth	<u> </u>
Flow Pre	·	X No		Estimated (f			1 0
	-1					·	
	ese values should a		0/ 0 1	1 1	M 67	"	·
% Col	obie %	Gravel	% Sand	16	% Silt	% Mud/Clay	% Bedrock
ater Characte	ristics*: (Mark a	Il that apply.)		 mical	None	Other:	
Color;	Clear	Green	Grav		Milky		nurky
Bottom Deposit		Solids		sediments	None		5.11-17
Surface Deposit		Scum	☐ Foar		None	Other:	7177
is information is aprehensive under ision on the recreation the undersigneral true	not to be used sole standing of water ation use analysis bed, hereby affir and accurate.	ly for removal of a conditions. Conse ut may point to co m to the best o	a recreations quently, this anditions that of my kno	al use design s information at need furth weledge, th	ation but rather is n is not intended t er analysis or that nat all inform	s to provide a mo to directly influe t effect another u ation reporte	ore nce a se. d on this UAA
gned:	NO ONR	F Harm We Sur P	ocals.	_Date:	6/06/0	5	
gamzation:	NO UNF-	JWCF	 .	_ Position	i: <u> </u>	<u>scientist</u>	5



1278_001_DS





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBlD#:	278-02		Site Location D	escription:	
Site GPS Coordinates:		14,19788	Elk	FK	
Date & Time: 6/20/		5 AM.	Facility Name:		
Personnel: CARIA C		on woods	Permit Number:	: —	
Current Weather Condit			 -	ions for Past 7 days: 6	inny
Photo Ids: Upstream:	BU1278-02 DOW	vnstream: WBr	01278-02 Othe		<i></i>
		1101	218 10 3~	+	
es Observed*:					
Swimming	Skin diving	☐ SC	JBA diving	☐ Tubing	☐ Water skiing
Wind surfing	☐ Kayaking	Boz	ting	☐ Wading	Rafting
☐ Hunting	Trapping	☐ Fish	ning	None of the above	Other:
	ns*: (Mark all that p	oromote or imp	ede recreational u	ises. Attach photos of evide:	nce or unusual
ns of interest.)					· ·
ns of interest.) City/county parks	Playgrounds	MDC con	servation lands	Urban areas	Campgrounds
ns of interest.) City/county parks Boating accesses		☐ MDC con	servation lands	Urban areas Nature trails	· ··
ms of interest.) City/county parks Boating accesses No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	MDC con	servation lands	Urban areas	☐ Campgrounds
ns of interest.) City/county parks Boating accesses No trespass sign	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC con☐ National t	servation lands forests oes	Urban areas Nature trails Other:	☐ Campgrounds ☐ Stairs/walkway
Sof interest.) City/county parks Boating accesses No trespass sign idence of Human Us Roads	☐ Playgrounds ☐ State parks ☐ Fence	☐ MDC con ☐ National t ☐ Steep slop	servation lands forests oes ock/platform	Urban areas Nature trails Other:	☐ Campgrounds ☐ Stairs/walkway ☐ RV / ATV Tracks
ms of interest.) City/county parks Boating accesses No trespass sign idence of Human Us Roads Rope swings	☐ Playgrounds ☐ State parks ☐ Fence	MDC con National t Steep slop ats Do Fin	servation lands forests oes	Urban areas Nature trails Other:	☐ Campgrounds ☐ Stairs/walkway

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Data Sheet B - Site Characterization

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Upstream \	hology: View Phy	ysical D	imensions:					
Riffle	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth	(ft):
X Run	Width (ft):	8	Length (ft):	20	Avg. Depth (ft):	611	Max. Depth	(ft): 9 ¹
Pool	Width (ft):		Length (ft):	A	Avg. Depth (ft):		Max. Depth	(fl):
☐ Flow I	Present?	X Yes	□ No		Estimated (ft³/sec):		
Downstream	m View l	Physical	l Dimensions:					
	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth	(ft);
Run	Width (ft):		Length (ft):		Avg. Depth (ft):		Max. Depth	(ft):
Pool	Width (ft):	20	Length (ft):	дD	Avg. Depth (ft):	9 *	Max. Depth	
☐ Flow F	Present?	Y Yes	□No	-	Estimated (ft ³ /sec):	· · · · · · · · · · · · · · · · · · ·	
	These value		add up to 100%.) % Gravel	% Sand	10 %	Silt	% Mud/Clay	% Bedrock
90 %			unt of vegetation (•		 -
!								
	cteristics				mical MI	 None	Other	
Odor:	eteristics	Sewage	Musky			None Milky	Other:	
Odor: Color:		Sewage Clear	☐ Musky ☐ Green	□ Gra	y 🗇	Milky	Other: A	lurky
Odor: Color: Bottom Depo	osit:	Sewage Clear Sludge Oil	☐ Musky ☐ Green ☐ Solids ☐ Scum	Gra	s sediments 1	Milky None None	Other: A	Bubbles
Odor: Color: Bottom Depo Surface Depo Comments: Pl This information omprehensive undersign on the recondition of the reconditio	osit: os	Sewage Clear Sludge Oil ch addit e used so g of wate e analysis	Musky Green Solids Scum ional comments lely for removal of reconditions. Constitutions to the best	Gra Gra Fine Foat s (including f a recreation sequently, this conditions the	sediments 1 sediments 1 sinformation final use designation is natineed further and	Milky None None rom inter but rather ot intended	Other: A Other: A Other: A Twiews) to this f is to provide a mod to directly influent at effect another u	/ 3 <i>µbb/€5</i> form. ore nce a
Color: Bottom Depo Surface Depo Comments: Pl This information omprehensive undersign on the received, the undersignates and the color of the color	posit: Desit: De	Sewage Clear Sludge Oil ch addit e used so g of wate e analysis reby affi ccurate	Musky Green Solids Scum ional comments lely for removal of reconditions. Constitutions to but may point to be directly to the best	Gra Gra Foa: S (including f a recreation sequently, this conditions the	sediments 1 sediments 1 m 1 g information f al use designation s information is n at need further and wledge, that a	Milky None None rom inter but rather ot intended alysis or the	Other: A Other: A Other: A Twiews) to this f is to provide a mod to directly influent at effect another u	orm. ore a se. d on this UAA









Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

☐ Wind surfing ☐ Kayaking ☐ Boating ☐ V	Tubing [Wading None of the above	☐ Water skiing ☐ Rafting ☐ Other:
Date & Time: 6/20/05 Q 8:40 AM Facility Name: Personnel: Craig Chalfield: Auron wood5 Permit Number: Current Weather Conditions: Sunny Weather Conditions for Photo Ids: Upstream: WB0/278-03 Downstream: WB0/278-03 Other: Sees Observed*: Skin diving SCUBA diving T Wind surfing Kayaking Boating Wind surfing Trapping Fishing Describe: (include number of individuals recreating, frequency of use, photo-documents)	Tubing [Wading None of the above	☐ Water skiing ☐ Rafting ☐ Other:
Personnel: Coag Chaffield Auron Woods Permit Number: Current Weather Conditions: Dunny Weather Conditions for Photo Ids: Upstream: WB0/278-03 Downstream: WB0/278-03 Other:	Tubing [Wading None of the above	☐ Water skiing ☐ Rafting ☐ Other:
Current Weather Conditions: Photo Ids: Upstream: WB0/278-03 Downstream: WB0/278-03 Other: Sees Observed*:	Tubing [Wading None of the above	☐ Water skiing ☐ Rafting ☐ Other:
Photo Ids: Upstream: WB0/278-03 Downstream: WB0/278-03 Other: Sees Observed*:	Tubing [Wading None of the above	☐ Water skiing ☐ Rafting ☐ Other:
Swimming Skin diving SCUBA diving T Wind surfing Kayaking Boating V Hunting Trapping Fishing Describe: (include number of individuals recreating, frequency of use, photo-documents)	Wading None of the above	Rafting Other:
Swimming Skin diving SCUBA diving T Wind surfing Kayaking Boating V Hunting Trapping Fishing Describe: (include number of individuals recreating, frequency of use, photo-document	Wading None of the above	Rafting Other:
Wind surfing	Wading None of the above	Rafting Other:
Hunting Trapping Fishing Describe: (include number of individuals recreating, frequency of use, photo-documents)	None of the above	Other;
Describe: (include number of individuals recreating, frequency of use, photo-docume	None of the above [Other: recreational uses, etc.)
	entation of evidence of	recreational uses, etc.)
ems of interest.)	tach photos of evidence	or unusual
☐ City/county parks ☐ Playgrounds ☐ MDC conservation lands ☐ U	Jrban areas	Campgrounds
☐ Boating accesses ☐ State parks ☐ National forests ☐ N	Nature trails	☐ Stairs/walkway
□ No trespass sign □ Fence ☑ Steep slopes □ O	Other:	
vidence of Human Use*:		
	ivestock Watering	RV / ATV Tracks
	NPDES Discharge	Fishing Tackle
☑ Other: NoN€		
ite Locations Map(s): Attach a map of entire segment with assessment si		

*Some of this information is not intended to directly influence a design on an arranged to directly influence a design on an arranged to directly influence a design on a serial part of the serial part of

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Data Sheet B - Site Characterization

Page Two – WBID #_1278 :

Stream Morp Upstream		ysical Dim	ensions:							
Riffle	Width (ft):		Length (ft):		Vg. Depth (i	ft):	***	Max. Depth	(ft):	
Run	Width (ft):		Length (ft);		Avg. Depth (1	ft):		Max. Depth	(ft):	
[X Pool	Width (ft):	25	Length (ft):	25	Avg. Depth (1	ft):	20 ^{fl}	Max. Depth	(ft):	30"
Flow	Present?	☐ Yes D	No	I	Estimated (ft ³	/sec				
Downstrea	m View	Physical D	imensions:							
	Width (ft):		Length (ft):		vg. Depth (I	ft):		Max, Depth	(ft):	17.4151
Run	Width (ft):	···	Length (ft):	F	vg. Depth (f	ft):		Max. Depth	(ft):	
X Pool	Width (ft):	30	Length (ft);	30 /	vg. Depth (f	ft):	ا م	Max. Depth		3011
Flow	Present?	Yes D	∬ No		stimated (ft ³	/sec			· · ·	
				•						
ubstrate*: (T					
%	Cobble	%(Bravel	% Sand		%	Silt	% Mud/Clay	1	/∞ % Bedrock
ater Chara	cteristics									
Odor:		Sewage	☐ Musky	Cher			None	Other:		
Bottom Dep	الل المناهد	Clear Sludge	☐ Green ☐ Solids	Gray		_	Milky	Other: M	عرين دارن	/ _
Surface Dep		Oil	Scum	☐ Foan	sediments	=	None None	Other:	<u>) It</u> Alga	
This information imprehensive un cision on the rethe undersignates to the contract of the undersignates the undersignates the the contract of	n is not to be nderstandin screation us gned, herue and a	e used solely g of water co e analysis bu reby affirm ccurate.	of for removal of a conditions. Consent may point to connect to the best of	a recreationa equently, this enditions tha of my kno	I use designa information t need further wledge, th	tion is n r ana at a	but rather i ot intended alysis or the	views) to this first oprovide a moto directly influent effect another unitation reporter	re nce a se. d on	this UAA
igned:	7 / Mo On	Ct-f-0 IR suc	1 <u>; Дагаі</u> Р	Woods	_Date:	6/6 	20/05 boil 2	bcientists		



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